

## General

### Title

Injury: the age-standardized rate of acute care hospitalization due to injury resulting from the transfer of energy (excluding poisoning and other non-traumatic injuries) per 100,000 population.

### Source(s)

Canadian Institute for Health Information (CIHI). Indicator metadata: injury hospitalization. [internet]. Ottawa (ON): Canadian Institute for Health Information (CIHI); 2015 May [accessed 2015 Jul 13].

## Measure Domain

### Primary Measure Domain

Related Population Health Measures: Population Use of Services

### Secondary Measure Domain

Related Population Health Measure: Population Health State

## Brief Abstract

### Description

This measure is used to assess the age-standardized rate of acute care hospitalization due to injury resulting from the transfer of energy (excluding poisoning and other non-traumatic injuries) per 100,000 population.

*Calculation Description:* (Total number of hospitalizations due to injury ÷ Total mid-year population) × 100,000 (Age-adjusted)

### Rationale

This indicator contributes to an understanding of the adequacy and effectiveness of injury prevention efforts, including public education, product development and use, community and road design, and prevention and treatment resources.

## Evidence for Rationale

Canadian Institute for Health Information (CIHI). Indicator metadata: injury hospitalization. [internet]. Ottawa (ON): Canadian Institute for Health Information (CIHI); 2015 May [accessed 2015 Jul 13].

## Primary Health Components

Injury; transfer of energy; trauma; acute care hospitalization

## Denominator Description

Total mid-year population

## Numerator Description

Cases that are related to injury from transfer of energy admitted to an acute care hospital (see the related "Numerator Inclusions/Exclusions" field)

## Evidence Supporting the Measure

### Type of Evidence Supporting the Criterion of Quality for the Measure

A formal consensus procedure, involving experts in relevant clinical, methodological, public health and organizational sciences

### Additional Information Supporting Need for the Measure

Unspecified

### Extent of Measure Testing

Unspecified

## State of Use of the Measure

### State of Use

Current routine use

### Current Use

not defined yet

## Application of the Measure in its Current Use

## Measurement Setting

Hospital Inpatient

## Professionals Involved in Delivery of Health Services

not defined yet

## Least Aggregated Level of Services Delivery Addressed

Regional, County or City

## Statement of Acceptable Minimum Sample Size

Does not apply to this measure

## Target Population Age

Unspecified

## Target Population Gender

Either male or female

# National Framework for Public Health Quality

## Public Health Aims for Quality

Population-centered

Risk Reducing

Transparency

# National Strategy for Quality Improvement in Health Care

## National Quality Strategy Priority

# Institute of Medicine (IOM) National Health Care Quality Report Categories

## IOM Care Need

Not within an IOM Care Need

## IOM Domain

Not within an IOM Domain

## Data Collection for the Measure

### Case Finding Period

April 1 to March 31

### Denominator Sampling Frame

Geographically defined

### Denominator (Index) Event or Characteristic

Geographic Location

### Denominator Time Window

not defined yet

### Denominator Inclusions/Exclusions

Inclusions

Total mid-year population

Exclusions

Unspecified

### Exclusions/Exceptions

not defined yet

### Numerator Inclusions/Exclusions

Inclusions

Cases that are related to injury from transfer of energy admitted to an acute care hospital

Injury is identified by the first occurrence of external cause of injury codes with a diagnosis type of (9).

Sex recorded as male or female

Admission to an acute care institution (Facility Type Code = 1)

Canadian resident (Canadian postal code)

Note: Refer to the original measure documentation for the administrative codes.

Exclusions

Newborn, stillbirth or cadaveric donor records (Admission Category = N, R or S)

Poisoning, adverse effects of drugs/medicine, choking, late effects and several other conditions do

not meet the definition of trauma developed by the National Trauma Registry Advisory Committee and are therefore excluded.

## Numerator Search Strategy

Institutionalization

## Data Source

Administrative clinical data

Registry data

## Type of Health State

Adverse Health State

## Instruments Used and/or Associated with the Measure

Unspecified

## Computation of the Measure

## Measure Specifies Disaggregation

Does not apply to this measure

## Scoring

Rate/Proportion

## Interpretation of Score

Does not apply to this measure (i.e., there is no pre-defined preference for the measure score)

## Allowance for Patient or Population Factors

not defined yet

## Description of Allowance for Patient or Population Factors

- Indicators are reported at the national, provincial/territorial, and regional levels.
- Unless otherwise specified, for indicators based on place of residence, data is reported based on the region of the patient's residence, not region of hospitalization. Consequently, these figures reflect the hospitalization experience of residents of the region wherever they are treated, including out of province, as opposed to the comprehensive activity of the region's hospitals (that will also treat people from outside of the region). Hospitalizations occurring in the U.S. or abroad are not included.
- For indicators based on place of service (where the patient was treated), data is reported based on

the administrative region of the facility (e.g., region of hospitalization).

- Rates are standardized or risk-adjusted wherever possible to facilitate comparability across provinces/regions/facilities and over time.
- Standardized rates are adjusted by age (collapsed to five-year groupings) using a direct method of standardization based on the July 1, 1991, Canadian population.

## Standard of Comparison

not defined yet

## Identifying Information

### Original Title

Injury hospitalization.

### Measure Collection Name

Health Indicators ePublication 2015

### Submitter

Canadian Institute for Health Information - Nonprofit Organization

### Developer

Canadian Institute for Health Information - Nonprofit Organization

### Funding Source(s)

Canadian Government

### Composition of the Group that Developed the Measure

*Employees:* Canadian Institute for Health Information (CIHI) Health Indicators

### Financial Disclosures/Other Potential Conflicts of Interest

None

### Adaptation

This measure was not adapted from another source.

### Date of Most Current Version in NQMC

2015 May

## Measure Maintenance

Annually

## Date of Next Anticipated Revision

Unspecified

## Measure Status

This is the current release of the measure.

This measure updates a previous version: Canadian Institute for Health Information (CIHI). Health indicators 2013: definitions, data sources and rationale. Ottawa (ON): Canadian Institute for Health Information (CIHI); 2013 May. 89 p.

The measure developer reaffirmed the currency of this measure in April 2016.

## Measure Availability

Source available from the [Canadian Institute for Health Information \(CIHI\) Web site](#)

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For more information, contact CIHI at 4110 Yonge Street, Suite 300, Toronto, Ontario, Canada, M2P 2B7; Phone: 416-481-2002; Fax: 416-481-2950; E-mail: [hsp@cihi.ca](mailto:hsp@cihi.ca); Web site: [www.cihi.ca](http://www.cihi.ca)

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## Companion Documents

The following are available:

Canadian Institute for Health Information (CIHI). Indicator library: general methodology notes - clinical indicators, March 2015. Ottawa (ON): Canadian Institute for Health Information (CIHI); 2015 Mar. 19 p. This document is available from the [Canadian Institute for Health Information \(CIHI\) Web site](#) .

Canadian Institute for Health Information (CIHI). Canadian coding standards for version 2015 ICD-10-CA and CCI. Ottawa (ON): Canadian Institute for Health Information (CIHI); 2015. 511 p. This document is available from the [CIHI Web site](#) .

Canadian Institute for Health Information (CIHI). Health indicators interactive tool. [internet]. Ottawa (ON): Canadian Institute for Health Information (CIHI); [accessed 2015 Jan 20]. This tool is available from the [CIHI Web site](#) .

## NQMC Status

This NQMC summary was completed by ECRI Institute on October 10, 2008. The information was verified by the measure developer on December 18, 2008.

This NQMC summary was updated by ECRI Institute on April 19, 2010. The information was verified by the measure developer on June 24, 2010.

This NQMC summary was retrofitted into the new template on May 17, 2011.

This NQMC summary was updated by ECRI Institute on March 18, 2013. The information was verified by the measure developer on May 17, 2013.

The CIHI informed NQMC that this measure was updated on October 31, 2013 and provided an updated version of the NQMC summary. This NQMC summary was reviewed and updated accordingly by ECRI Institute on February 21, 2014.

This NQMC summary was updated again by ECRI Institute on September 4, 2015. The information was verified by the measure developer on November 6, 2015.

The information was reaffirmed by the measure developer on April 29, 2016.

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Questions and inquiries may be directed to: CIHI, Health Indicators, 4110 Yonge Street, Suite 300, Toronto, Ontario, Canada, M2P 2B7; Phone: 416-481-2002; Fax: 416-481-2950.

## Production

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Canadian Institute for Health Information (CIHI). Indicator metadata: injury hospitalization. [internet]. Ottawa (ON): Canadian Institute for Health Information (CIHI); 2015 May [accessed 2015 Jul 13].

## Disclaimer

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